
Product Data Sheet

Product Name: DS28120313

Cat. No.: GC35902

Chemical Properties

Cas. No. 2146177-09-3

SMILES CC(NN=C1C2CC2)=C1C3=CC(NC(OC)=O)=C(C=NN4)C4=C3Formula C₁₆H₁₇N₅O₂ M.Wt 311.34

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

DS28120313 (compound 32) is an orally hepcidin production inhibitor with an IC₅₀ of 0.093 μM[1]. IC₅₀: 0.093 μM (hepcidin production)[1]

DS28120313 (deliver orally; 30 mg/kg; 30 min before IL-6 administration) inhibits hepcidin production and reduces the blood hepcidin level in IL-6 induced acute inflammatory C57BL/6 mouse model[1].

[1]. Fukuda T, et al. Discovery of DS28120313 as a potent orally active hepcidin production inhibitor: Design and optimization of novel 4,6-disubstituted indazole derivatives. Bioorg Med Chem Lett. 2017 Dec 1;27(23):5252-5257.

Caution: Product has not been fully validated for medical applications. For research use only.

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